

ABSTRACT OF THE DISCLOSURE

A method and system that enables executable content in the form of one or more software drivers or firmware volumes to be loaded into the System Management Mode (SMM) of a microprocessor or the native mode of an Itanium-based processor. The mechanism allows for multiple drivers, possibly written by different parties, to be installed for these operations. An agent that registers event handlers provided by the drivers runs in the EFI boot-services mode and is composed of a CPU-specific component that binds the drivers and a platform component that abstracts chipset control of the xMI (PMI or SMI) signals corresponding to an event triggering condition. Accordingly, the functionality of the SMM mode of various processors and the native mode of Itanium processors can be extended through add-on drivers written by parties other than the OEM from the computer system or the BIOS vendor for the system.